7. Parts Catalog

How to use this parts catalog

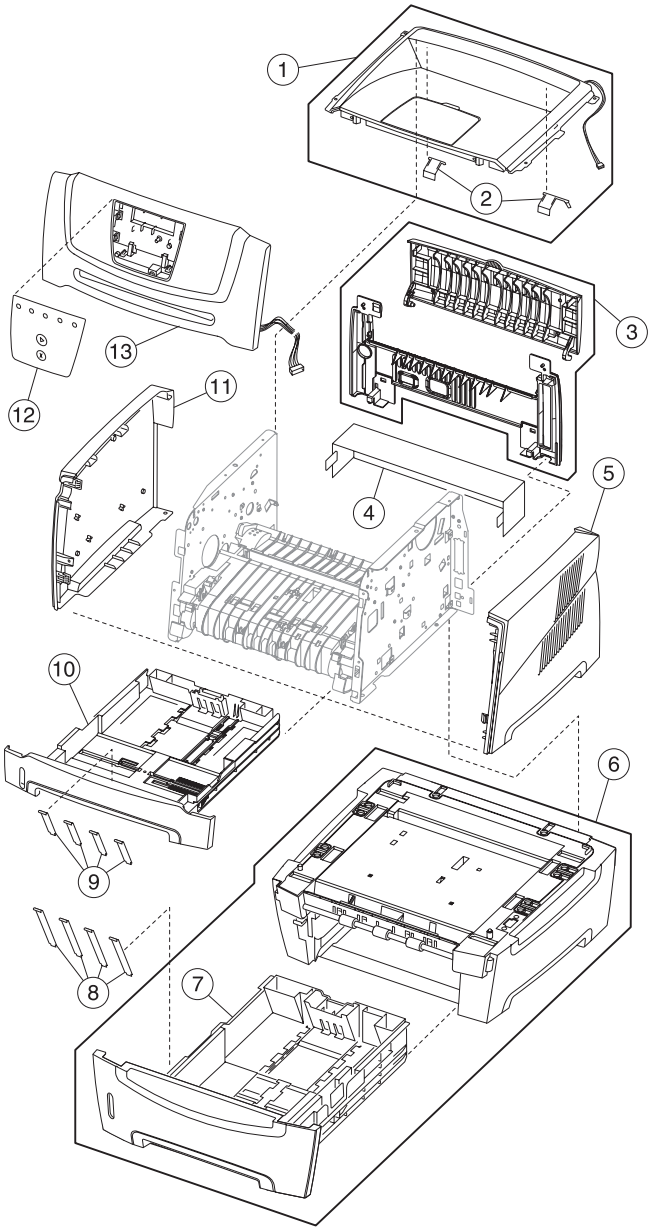
The following legend is used in the parts catalog:

Asm- Index	Part number	Units/mach	Units/ FRU	Description

- **Asm-index**: identifies the assembly and the item in the diagram. For example 3-1 indicates assembly 3 and the item number 1.
- **Part number**: identifies the unique number that identifies this FRU.
- **Units/mach**: refers to the number of units actually used in the machine or product.
- **Units/FRU**: refers to the number of units packaged together and identified by the part number.
- **NS**: (Not shown) in the Asm-Index column indicates that the part is procurable but is not pictured in the illustration.
- **PP**: (Parts Packet) in the parts description column indicates the part is contained in a parts packet.
- Model information used in the parts catalog.

Machine type and model	Description
4512-220	Lexmark E250d
4512-230	Lexmark E250dn

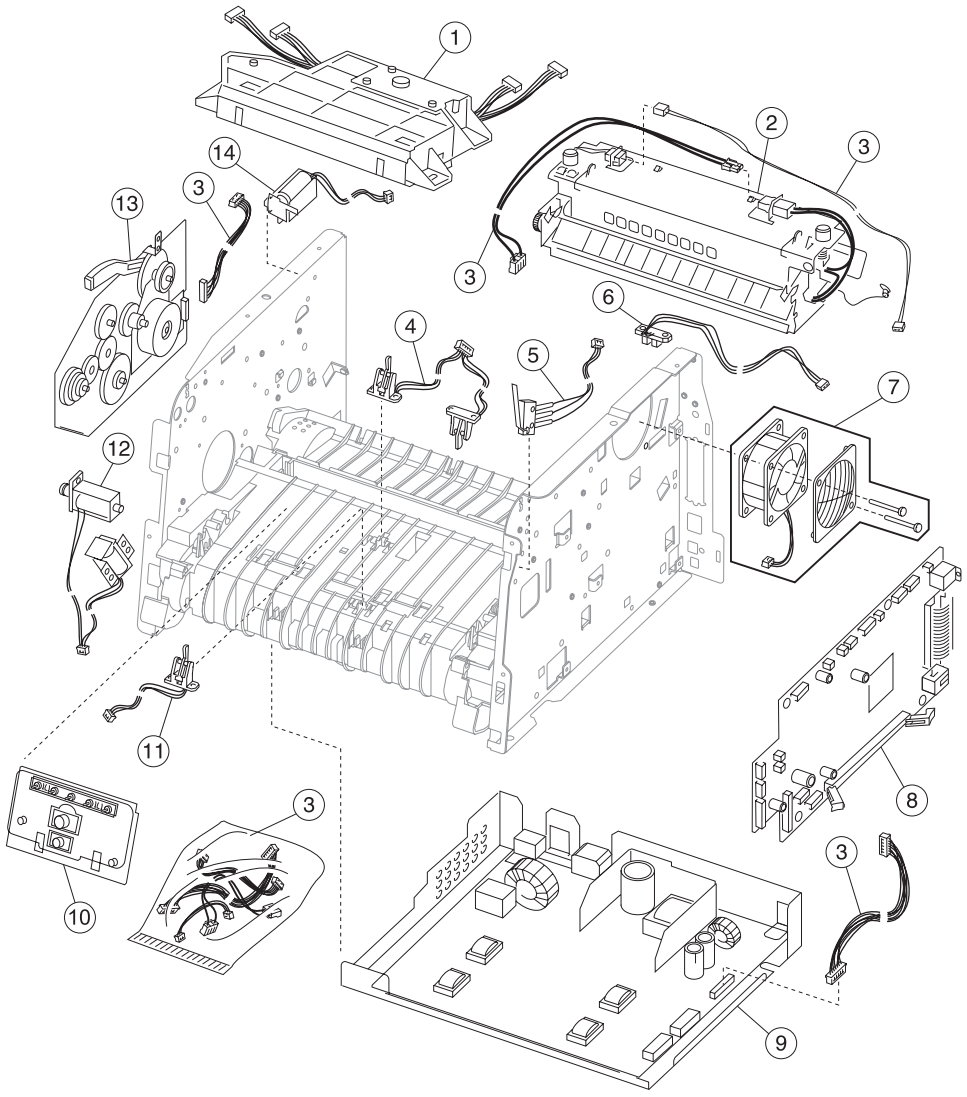
Assembly 1: Covers



Assembly 1: Covers

Asm-Index	Part number	Units/mach	Units/FRU	Description
1—1	40X2835	1	1	Top cover assembly (includes narrow media sensor)
2	40X2812	1	1	Top cover right and left flags
3	40X2839	1	1	Rear upper and lower cover assembly
4	40X2858	1	1	Legal extender dust cover
5	40X2837	1	1	Right side cover
6	40X2843	1	1	Optional media drawer assembly
7	40X2844	1	1	Tray 2 assembly
8	40X2855	1	4	Tray 2 wear strips
9	40X2854	1	4	Tray 1 wear strips
10	40X2842	1	1	Main tray
11	40X2836	1	1	Left side cover
12	40X2852	1	1	LED bezel cover, E250d
12	40X2814	1	1	LED bezel cover, E250dn
13	40X2840	1	1	Front access cover assembly

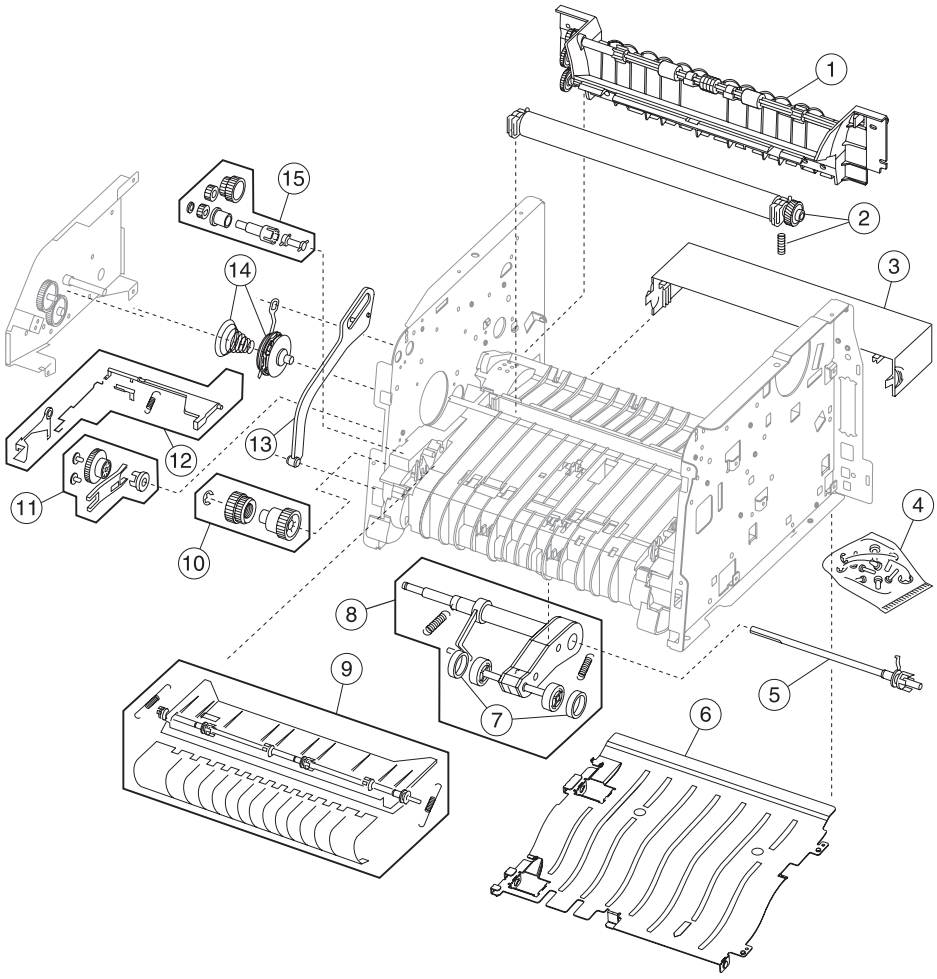
Assembly 2: Electronics



Assembly 2: Electronics

Asm-Index	Part number	Units/ mach	Units/ FRU	Description
2–1	40X2804	1		LSU, E250d/E250dn (printhead)
2	40X2800	1		Fuser assembly, 110 V
2	40X2801	1		Fuser assembly, 220 V
2	40X2802	1		Fuser assembly, 100 V
3	40X2833	1		Miscellaneous cable assemblies
			1	Thermistor
			1	LVPS/HVPS to controller card
			1	Main drive gear assembly (motor to controller card)
			1	Fuser power (LVPS to fuser)
4	40X2823	1	1	Duplex and media sensor assembly
5	40X2813	1	1	Cover open sensor assembly
6	40X2856	1	1	Narrow media sensor
7	40X2828	1	1	Cooling fan
8	40X2805	1	1	Controller card, E250dn
8	40X2851	1	1	Controller card, E250d
9	40X2819	1		LVPS/HVPS card assembly, 110 V
9	40X2820	1		LVPS/HVPS card assembly, 220 V
10	40X2809	1		LED operator panel assembly, E250d/E250dn
11	40X2824	1	1	Manual input sensor assembly
12	40X2845	1	1	Pickup and manual feed solenoids
13	40X2826	1	1	Main drive gear assembly
14	40X2846	1	1	Reversing solenoid

Assembly 3: Frame



Assembly 3: Frame

Asm-Index	Part number	Units/ mach	Units/ FRU	Description
3–1	40X2834	1		Media exit guide assembly
2	40X2822	1		Transfer roll, bearings, gear, spring (CBM)
3	40X2858	1	1	Legal extender dust cover
4	40X2850	N/A		Screws, miscellaneous
			4	TP2NCX3X6PF-Ni
			4	TP2C-4.0+8PF-Ni
			4	M3.0*0.5+6PF-Ni
			2	M3.0*0.5+4PF-Ni
			2	M3.5*0.6+6P-Ni
5	40X2853	1	1	ACM drive shaft assembly
6	40X2841	1	1	Complete duplex assembly
7	56P1820	2		Paper feed, ACM tires (RO)
8	40X2838	1	1	Media (ACM) drive assembly
9	40X2857	1	1	Upper front frame assembly
10	40X2830	1	1	Manual feed clutch CBM
11	40X2831	1	1	Media feed ACM clutch CBM
12	40X2832	1	1	Media level indicator CBM
13	40X2825	1	1	Developer drive/access door link
14	40X2829	1	1	Developer drive coupling assembly
15	40X2821	1	1	Duplex drive gear CBM
NS	40X2847	1	1	110 V maintenance kit
NS	40X2848	1	1	220 V maintenance kit
NS	40X2849	1	1	100 V maintenance kit
				Note: Kit contains the following: Fuser (40X2800, 40X2801, or 40X2802) Exit guide (40X2834) Tray 1 ACM feed tires (56P1820) Transfer roll CBM (40X2822)
NS	7377298	1		Field location package assembly
NS	40X2817	1	2	Tray 2 paper feed tires

Assembly 4: Options

Asm-Index	Part number	Units/ mach	Units/ FRU	Description
NS	40X1364	1		32MB SDR DIMM
NS	40X1365	1		64MB SDR DIMM
NS	40X1367	1		Parallel cable, packaged (3 m)
NS	40X1368	1		USB cable, packaged (2 m)
NS	40X1513	1		Simplified Chinese font card assembly
NS	40X1514	1		Traditional Chinese font card assembly
NS	40X1512	1		Japanese font card assembly
NS	40X1515	1		Korean font card assembly

Assembly 5: Power cords

Asm-Index	Part number	Units/mach	Units/FRU	Description
NS	40X0289	1		Power cord, 1.8M (straight)—USA, Canada
NS	40X0278	1		Power cord, 6 foot (straight)—Europe and others
NS	40X0288	1		Power cord, 8 foot (straight)—Argentina
NS	40X0271	1		Power cord, 8 foot (straight)—United Kingdom
NS	40X0275	1		Power cord, 6 foot (straight)—Israel
NS	40X0274	1		Power cord, 6 foot (straight)—Switzerland
NS	40X0276	1		Power cord, 6 foot (straight)—South Africa
NS	40X0287	1		Power cord, 6 foot (straight)—Traditional Italy
NS	40X0279	1		Power cord, 6 foot (straight)—Denmark
NS	40X0277	1		Power cord, 6 foot (straight)—Brazil
NS	40X0282	1		Power cord, 1.8M (straight)—PRC
NS	40X0270	1		Power cord, 2.5M (straight)—Japan
NS	40X0280	1		Power cord, 1.8M (straight)—Korea
NS	40X0281	1		Power cord, 1.8M (straight)—Taiwan
NS	40X0296	1		Power cord, 1.8M (straight)—Australia

Index

A

abbreviations 1-9
acronyms 1-9
Auto CR After LF 3-5
Auto LF After CR 3-5
autocompensator tires 4-38

C

cables
  fuser power cable 4-24
compatibility 1-5
configuration ID 3-8
configuration menu—
  accessing 3-1
  navigating menu 3-1
  Network
    Mac Binary PS 3-7
    NPA Mode 3-7
    Set Card Speed 3-7
  Parallel
    MAC Binary PS 3-5
    NPA Mode 3-5
    Parallel Mode 2 3-5
    Protocol 3-5
  printing menu 3-2
  Setup
    Auto CR After LF 3-5
    Auto LF After CR 3-5
    Demo Mode 3-5
  table of light patterns 3-2
  USB
    Mac Binary PS 3-6
    NPA Mode 3-6
  Utilities
    Hex Trace 3-4
    Print Quality Pages 3-4
    Reset Factory Defaults 3-4
    Reset Photoconductor Counter 3-4
controller card
  removal 4-13
  service check 2-37

D

Defaults 3-8
Demo Mode 3-5
diagnostic information 2-1
diagnostics mode—
  Development
    Configuration ID 3-8
    Defaults 3-8
    Edge to Edge 3-8
    Print History 3-8
  entering 3-1
  printout sample 3-3

E

Edge to Edge 3-8
error messages
  primary light patterns 2-2
  service error codes 2-21
  user attendance messages 2-2
ESD-sensitive parts 4-1

F

fan
  parts catalog 7-5
  removal 4-21
  service check 2-38
frame, parts catalog 7-6
fuser
  parts catalog 7-5
  removal 4-22
  service check 2-39

H

handling ESD-sensitive parts 4-1
Hex Trace 2-34, 3-4

L

LCD operator panel 4-36
light patterns—
  description 2-2
  primary 2-3
  service codes 2-21
locations
  front views 5-1
  rear views 5-1
lubrication specifications 6-1
LVPS/HVPS
  parts catalog 7-5
  removal 4-26
  service check 2-40

M

maintenance approach 1-1
maintenance kits 6-1
manual feed
  print media types and sizes 1-6
menus
  accessing service menus 3-1
  configuration menu 3-2
  diagnostics mode 3-3
  printing 3-1
messages
  service error codes 2-21
  user attendance messages 2-3

models
comparison 1-1
diagrams 5-1
operator panels 1-2
service menus 3-1
trays available 1-4

N

NPA Mode 3-5

O

operator panel
LED—
overview 1-2
service check 2-41

P

paper exit guide, removal 4-37
paper jams
tips on preventing 1-7
parallel port service check 2-43
parts catalog
covers 7-2
electronics 7-4
frame 7-6
options 7-8
power-on self test (POST) 2-2
symptoms 2-35
print history 3-8
print media
preventing jams 1-7
trays by model 1-4
types and sizes 1-6
print quality pages 3-4
using 2-44
print quality problems
print media 1-7
service check 2-44
solving 2-48
printer symptom table 2-36
printhead
removal 4-40
service check 2-51
Protocol 3-5

R

removals
controller card 4-13
cover open sensor 4-15
covers
front access cover 4-2
left side cover 4-4
right side cover 4-5
top cover 4-7
developer drive coupling assembly 4-16
fan 4-21
fuser 4-22
fuser power cable 4-24
LVPS/HVPS card assembly 4-26
paper exit guide assembly 4-37
paper feed rollers 4-38
printhead 4-40
procedures 4-1
toner level sensor— 4-41
transfer roll 4-42
Reset Factory Defaults 3-4
reset maintenance page counter 3-4
Reset PC Counter 3-4

S

safety information xi
safety inspection guide 6-1
sensors
cover open 4-15
service checks 2-37
controller card 2-37
cooling fan 2-38
cover interlock switch 2-38
dead machine 2-39
fuser 2-39
LVPS/HVPS 2-40
main motor 2-40
operator panel 2-41
paper feed 2-41
paper jam during POST 2-41
paper never picks 2-42
paper picks but stops 2-42
paper picks during POST 2-41
paper picks sheets 2-42
paper trees, curls 2-43
parallel port 2-43
print quality 2-44
black page 2-45
blank page 2-44
heavy background 2-45
image density 2-46
light print 2-47
partial blank image 2-46
poor fusing of image 2-46
toner on back of page 2-47
white or black lines 2-47
printhead 2-51
transfer roll 2-51
service error codes
accessing 2-21
tertiary light patterns 2-23
service menus 3-1
special tools 1-8
specifications
connectivity 1-5
input trays 1-4
memory 1-3
operating systems 1-5
photoconductor capacity 1-4
print media 1-6
print speed 1-3
toner capacity 1-4

start **2-1**
symptom tables **2-35**
    POST **2-35**
    printer **2-36**

T

test pages
    Print Quality Pages **3-4**
tires, removal **4-38**
tools **1-8**
transfer roll
    parts catalog **7-7**
    removal **4-42**
    service check **2-51**

U

user attendance messages **2-3**

Part number index

P/N	Description	Page
40X0270	Power cord, 1.77M (straight)—Japan	7-9
40X0271	Power cord, 6 foot—United Kingdom	7-9
40X0274	Power cord, 6 foot—Switzerland	7-9
40X0275	Power cord, 6 foot (straight)—Israel	7-9
40X0276	Power cord, 6 foot—South Africa	7-9
40X0277	Power cord, 6 foot (straight)—Brazil	7-9
40X0278	Power cord, 6 foot (straight)—Europe and others	7-9
40X0279	Power cord, 6 foot (straight)—Denmark	7-9
40X0280	Power cord, 1.77M (straight)—Korea	7-9
40X0281	Power cord, 1.77M (straight)—Taiwan	7-9
40X0282	Power cord, 1.77M (straight)—PRC	7-9
40X0287	Power cord, 6 foot (straight)—Traditional Italy	7-9
40X0288	Power cord, 6 foot—Argentina	7-9
40X0289	Power cord, 1.77M (straight)—USA, Canada	7-9
40X0296	Power cord, 1.8M (straight)—Australia	7-9
40X1300	Fuser assembly, 110 V	7-5
40X1323	Duplex and media sensor assembly	7-5
40X1328	Cooling fan	7-5
40X1333	Cable assembly, misc - fuser power	7-5
40X1333	Cable assembly, misc - main drive motor	7-5
40X1333	Cable assembly, misc.- LVPS/HVPS to controller	7-5
40X1333	Cable assembly, misc.- toner sensor	7-5
40X1364	32MB SDR DIMM	7-8
40X1365	64MB SDR DIMM	7-8
40X1367	Parallel cable, packaged (3 m)	7-8
40X1368	USB cable, packaged (2 m)	7-8
40X1512	Japanese font card assembly	7-8
40X1513	Simplified Chinese font card assembly	7-8
40X1514	Traditional Chinese font card assembly	7-8
40X1515	Korean font card assembly	7-8
40X2801	Fuser assembly, 220 V	7-5
40X2802	Fuser assembly, 100 V	7-5
40X2804	LSU, E250d/E250dn (printhead)	7-5
40X2805	Controller card, E250dn	7-5
40X2809	LED operator panel assembly, E250d/E250dn	7-5
40X2812	Top cover right and left flags	7-3
40X2813	Cover open sensor assembly	7-5
40X2814	LED bezel cover, E250dn	7-3
40X2817	Tray 2 paper feed tires	7-7
40X2819	LVPS/HVPS card assembly, 110 V	7-5
40X2820	LVPS/HVPS card assembly, 220 V	7-5
40X2821	Duplex drive gear CBM	7-7
40X2822	Transfer roll, bearings, gear, spring (CBM)	7-7
40X2824	Manual input sensor assembly	7-5
40X2825	Developer drive/access door link	7-7
40X2826	Main drive gear assembly	7-5
40X2829	Developer drive coupling assembly	7-7
40X2830	Manual feed clutch CBM	7-7
40X2831	Media feed ACM clutch CBM	7-7
40X2832	Media level indicator CBM	7-7
40X2833	Miscellaneous cable assemblies	7-5
40X2834	Media exit guide assembly	7-7
40X2835	Top cover assembly	7-3
40X2836	Left side cover	7-3

40X2837 Right side cover ---------- 7-3
40X2838 Media (ACM) drive assembly ---------- 7-7
40X2839 Rear upper and lower cover assembly ---------- 7-3
40X2840 Front access cover assembly ---------- 7-3
40X2841 Complete duplex assembly ---------- 7-7
40X2842 Main tray ---------- 7-3
40X2843 Optional media drawer assembly ---------- 7-3
40X2844 Tray 2 assembly ---------- 7-3
40X2845 Pickup and manual feed solenoids ---------- 7-5
40X2846 Reversing solenoid ---------- 7-5
40X2847 110 V maintenance kit ---------- 6-1, 7-7
40X2848 220 V maintenance kit ---------- 6-1, 7-7
40X2849 100 V maintenance kit ---------- 6-1, 7-7
40X2850 Screws, miscellaneous ---------- 7-7
40X2851 Controller card, E250d ---------- 7-5
40X2852 LED bezel cover, E250d ---------- 7-3
40X2853 ACM drive shaft assembly ---------- 7-7
40X2854 Tray 1 wear strips ---------- 7-3
40X2855 Tray 2 wear strips ---------- 7-3
40X2856 Narrow media sensor ---------- 7-5
40X2857 Upper front frame assembly ---------- 7-7
40X2858 Legal extender dust cover ---------- 7-3, 7-7
56P1820 Paper feed, ACM tires (RO) ---------- 7-7
7377298 Field location package assembly ---------- 7-7